

Comparisons of Job Characteristics

Focus Occupation: Structural Iron and Steel Workers (47-2221)

Associated Occupation: Construction Laborers (47-2061)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Structural Iron and Steel Workers (47-2221)

Associated Occupation: Construction Laborers (47-2061)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Building and Construction	4.0	16.8	18.3	0	Current knowledge level may be sufficient
Mechanical	6.8	11.2	13.5	>	Current knowledge level is likely sufficient
Design	5.2	10.7	11.2	0	Current knowledge level may be sufficient
Public Safety and Security	6.9	10.6	8.9	<	Expanded education and/or training may be required
Transportation	4.6	8.0	5.8	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 85

Focus Occupation: Structural Iron and Steel Workers (47-2221)

Associated Occupation: Construction Laborers (47-2061)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation and Control	5.4	8.1	10.8	>>	Skill level is likely more than sufficient
Equipment Selection	3.3	5.3	6.1	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 75

Focus Occupation: Structural Iron and Steel Workers (47-2221)**Associated Occupation: Construction Laborers (47-2061)**

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Static Strength	5.0	11.6	16.6	>>	Current ability level is likely more than sufficient
Manual Dexterity	6.5	11.2	13.5	>	Current ability level is likely sufficient
Multilimb Coordination	6.0	10.6	15.3	>>	Current ability level is likely more than sufficient
Trunk Strength	5.7	10.3	12.6	>	Current ability level is likely sufficient
Stamina	4.0	8.6	10.3	>	Current ability level is likely sufficient
Dynamic Strength	3.5	7.0	11.5	>>	Current ability level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Structural Iron and Steel Workers (47-2221)**Associated Occupation: Construction Laborers (47-2061)**

Work Activities	Exclusivity of Activity
Adhere to safety procedures	12
Build or repair structures in construction, repair, or manufacturing setting	54
Erect scaffold	56
Fabricate, assemble, or disassemble manufactured products by hand	11
Install insulating materials	81
Move or fit heavy objects	8
Operate hoist, winch, or hydraulic boom	34
Perform safety inspections in construction or resource extraction setting	46
Position, align, or level machines, equipment, or structures	74
Signal directions or warnings to coworkers	42
Use hand or power tools	2
Use measuring devices in construction or extraction work	41
Verify levelness or verticality, using level or plumb bob	72
Work as a team member	36

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 77

Focus Occupation: Structural Iron and Steel Workers (47-2221)
Associated Occupation: Construction Laborers (47-2061)

Tools and Technologies	Exclusivity
Aerial lifts	13
Building construction machinery and accessories	25
Compressors	9
Cutting and crimping and punching tools	3
Cutting tools	18
Face and head protection	7
Fall protection	16
Fastener setting tools	12
Forming tools	2
Holding and clamping tools	3
Igniters	47
Ladders and scaffolding	6
Lifting equipment and accessories	3
Measuring and layout tools	3
Personal communication devices	2
Pneumatic tools	8
Power tools	2
Prying and bending tools	10
Pumps	9
Respiratory protection	6
Rough and finishing tools	5
Safety apparel	4
Soldering and brazing and welding machinery and supplies	6
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.